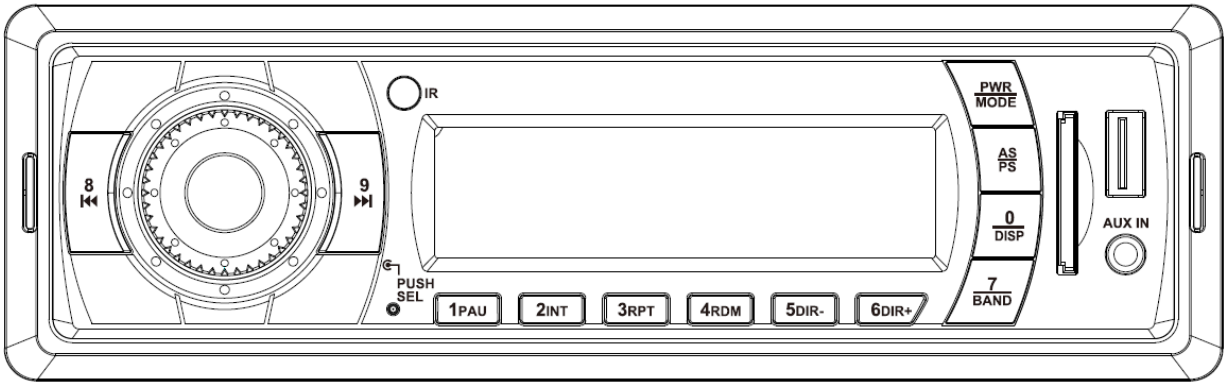
PLMR18

OWNER'S MANUAL

Mobile Audio System



- **PLL Synthesizer Stereo Radio**
- **Automatic Memory Storing**
- **Preset Equalization**
- **USB/ SD Interface**
- **3.5mm Jack input**

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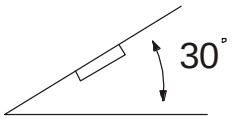
CONTENTS

Installation 3
Take out screw before installation 3
DIN Front-Mount 3
Installing the unit 3
Removing the unit 4
Wiring Connection 5
Operation 6
Location of keys 6
Switching on/off the unit 7
Sound adjustment 7
Liquid crystal display 7
Auxiliary input 7
Reset function 7
Radio operation 8
Switching to radio mode 8
Selecting the frequency band 8
Selecting station 8
Automatic memory storing& program scanning 8
Station storing 8
USB play operation 8
Selecting tracks in single step 8
Selecting directory up/down 8
Pausing playing 8
Previewing all tracks 8
Repeating the same track 9
Playing all tracks in random 9
SD operation 9
Remote control 10
Specification 11
Trouble shooting 12

INSTALLATION

Notes:

- Choose the mounting location where the unit will not interfere with the normal driving function of the driver.
- Before finally installing the unit, connect the wiring temporarily and make sure it is all connected up properly and the unit and the system work properly.
- Use only the parts included with the unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.
- Consult with your nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.
- Install the unit where it does not get in the driver's way and cannot injure the passenger if there is a sudden stop, like an emergency stop.
- If installation angel exceeds 30°from horizontal, the unit might not give its optimum performance.

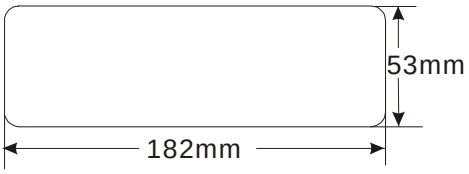


- Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, or from hot air, from the heater, or where it would be subject to dust, dirt or excessive vibration.

DIN FRONT-MOUNT

Installation Opening

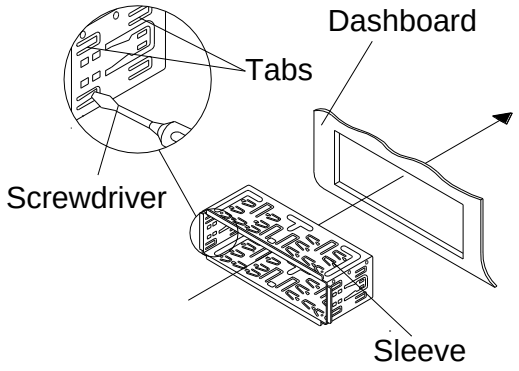
This unit can be installed in any dashboard having an opening as shown below:



Installing the unit

Be sure you test all connections first, and then follow these steps to install the unit.

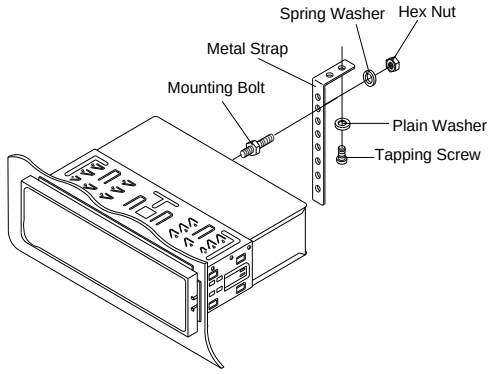
1. Make sure the ignition is turned off, and then disconnect the cable from the vehicle battery's negative (-) terminal.
2. Disconnect the wire harness and the antenna.
3. Mount the sleeve by inserting the sleeve into the opening of the dashboard and bend open the tabs located around the sleeve with a screwdriver. Not all tabs will be able to make contact, so examine which ones will be most effective. Bending open the appropriate tabs behind the dashboard to secure the sleeve in place.



4. Reconnect the wire harness and the antenna and be careful not to pinch any wires or cables.
5. Slide the unit into the sleeve until it locks into place.
6. To further secure the unit, use the supplied metal strap to secure the back of the unit in place. Use the supplied hardware (Hex Nut (M5mm) and Spring Washer) to attach one end of the strap to the mounting bolt on the back of the unit. If necessary, bend the metal strap to fit your vehicle's mounting area. Then use the supplied hardware (Tapping

INSTALLATION

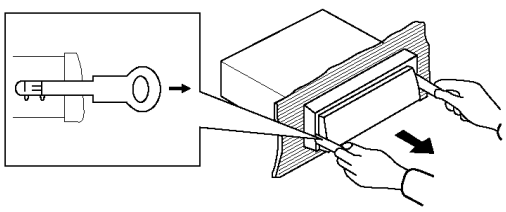
Screw (5x25mm) and Plain Washer) to attach the other end of metal strap to a solid metal part of the vehicle under the dashboard. This strap also helps ensure proper electrical grounding of the unit. Note to install the short threading terminal of the mounting bolt to the back of the unit and the other long threading terminal to the dashboard.



7. Reconnect the cable to the vehicle battery's negative (-) terminal. Then replace the outer trim ring.

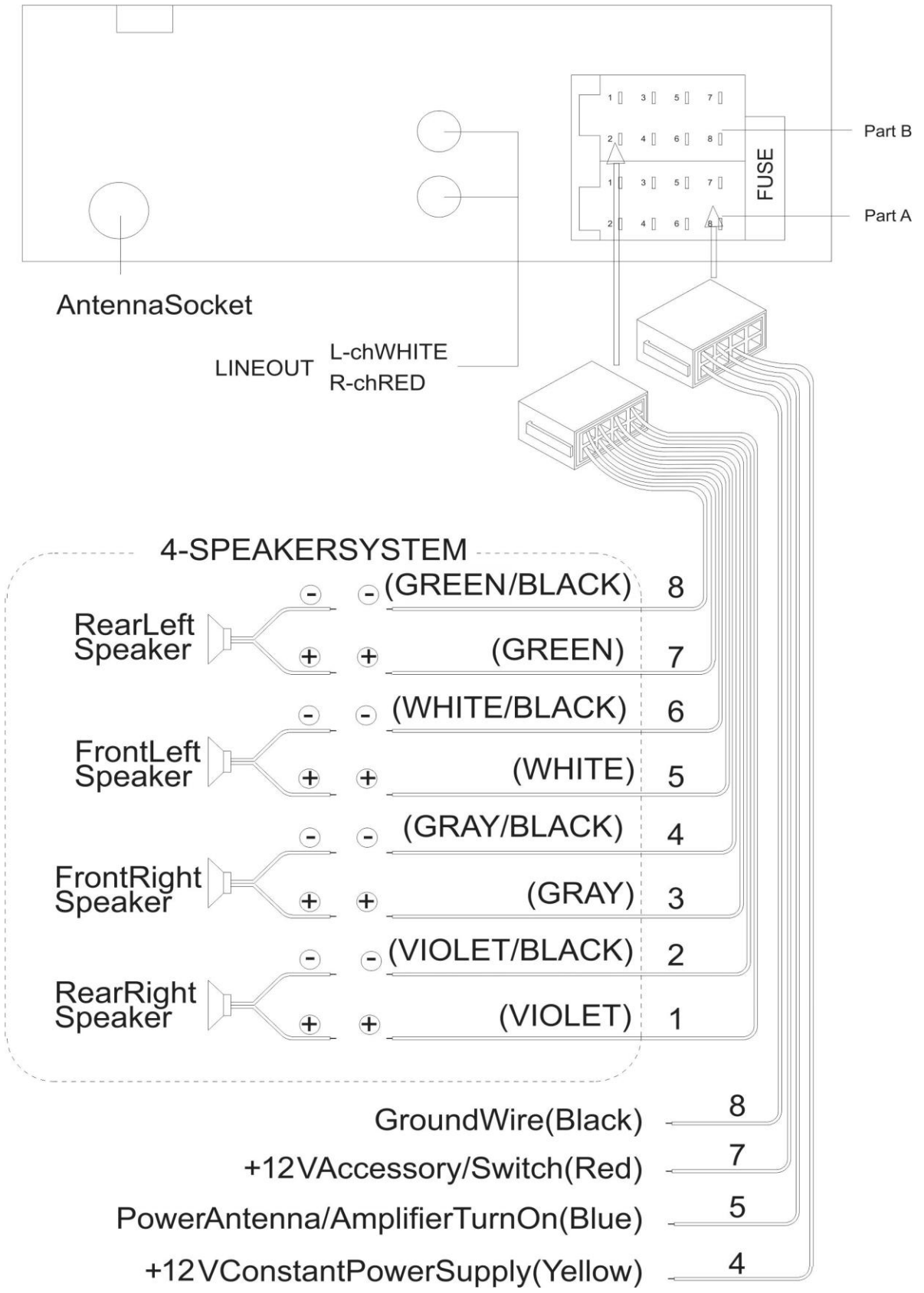
Removing the unit

1. Make sure the ignition is turned off, then disconnect the cable from the vehicle battery's negative (-) terminal.
2. Remove the metal strap attached the back of the unit (if attached).
3. Lift the top of the outer trim ring then pull it out to remove it.
4. Insert both of the supplied keys into the slots at the middle left and right sides of the unit, then pull the unit out of the dashboard.



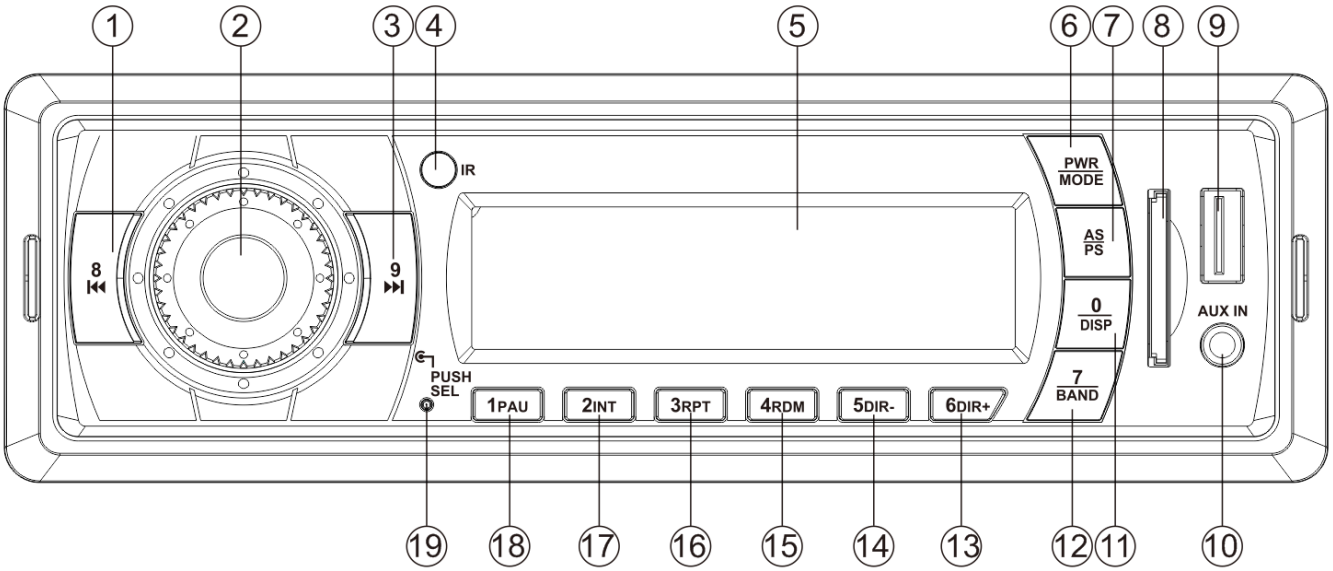
WIRING CONNECTION

ISO CONNECTION



OPERATION

LOCATION OF KEYS



1. **8/I◄◄ (SEEK DOWN) button**
2. **PUSH/SEL/ENT**
3. **9/ ►►I (SEEK UP) button**
4. **IR**
5. **LCD**
6. **PWR/MODE**
7. **AS/PS**
8. **SD interface**
9. **USB interface**
10. **AUX IN**
11. **0/DISP**
12. **7/BAND**
13. **6DIR+**
14. **5 DIR-**
15. **4RDM**
16. **3 RPT**
17. **2 INT**
18. **1PAU**
19. **Reset function**

OPERATION

SWITCHING ON/OFF THE UNIT

Press **PWR** button (6) to turn on the unit. When the unit is on. Press and hold for 2 seconds to turn off the unit.

SOUND ADJUSTMENT

Press **SEL** button (2) to select the desired adjustment mode. The adjustment mode will be changed in the following order:

→BAS-TRE-BAL-FAD-LOUD-EQ-DX-STEREO-VOL

BAS: bass
TRE: treble
BAL: balance
FAD: fader
LOUD: loudness
EQ: equalization
DX: distance
ST:stereo
VOL: volume

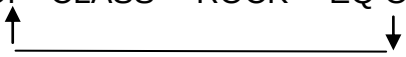
By rotating the audio knob (2) it is possible to adjust the desired sound quality.

Press and hold SEL for 2 seconds. You can choose the area between USA and EUROPE by rotating the knob (2).

EQ FUNCTION

In EQ item you can select the preset EQ mode by rotating the audio knob (2) as below:

POP--CLASS ---ROCK ---EQ OFF



SHOW THE TIME

Press **DISP** button (11) to show the time for several seconds. After several seconds it will return to show the information.

SET THE TIME

Press and hold **DISP** button (11) for 2 seconds the HH digit will flash. Rotating the audio knob (2) to change the hour. After that press audio knob (2) the “MM” will flash.

Rotating the audio knob (2) to change the minute. Then press **DISP** button to confirm.

LIQUID CRYSTAL DISPLAY

Exhibit current frequency and activated functions on the display .

LOCAL function

Press SEL knob several times till appear “DX”. Rotating the audio knob (2) to switch it to local mode. In LOC mode the unit will reduce the receiving sensitivity when you search station. That means you can receive the station that sound is good. It will ignores the station that sound is not good. In DX mode it will increase the receiving sensitivity when you search the station. That means you can receive more stations.

STEREO /MONO function

In STEREO item rotating the audio knob (2) to choose STEREO or MONO mode. In STEREO mode you can receive FM stereo signal. In MONO mode the stereo station will be switched to monochrome.

Sometimes when the signal is not good. If you change it to MONO mode. The noise will be reduced.

AUXILIARY INPUT

The unit can be connected to a portable audio player through the **AUX IN** jack (10).

RESET FUNCTION

RESET button (19) must be activated with either a ballpoint pen or thin metal object. The **RESET** button is to be activated for the following reasons:

- Initial installation of the unit when all wiring is completed.
- All the function buttons do not operate.
- Error symbol on the display.

Note: if press **RESET** button (19), the unit can’t work yet, please use a cotton swab soaked in isopropyl alcohol to clean the socket on the front panel.

OPERATION

RADIO OPERATION

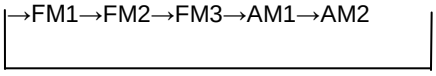
- **SWITCHING TO RADIO MODE**

  Press **MODE** button (6) to select radio mode, the radio mode appears in the display together with the memory band and frequency.

- **SELECTING THE FREQUENCY BAND**

  At radio mode, press **7/BAND** button (12) to select the desired band.

  The reception band will change in the following order:

- **SELECTING STATION**

  Press **9/⏭** button (3) or **8/⏮** button (1) to activate automatic seek function. It will search up/down a station automatically. Press for 2 seconds until "**MANUAL**" appears on the display, the manual tuning mode is selected. In this mode you can turn up/down a step frequency one by one till searched a station. If both buttons have not been pressed for several seconds, they will return to seek tuning mode and "**AUTO**" appears on the display.

- **AUTOMATIC MEMORY STORING & PROGRAM SCANNING**

  - Automatic memory storing

  Press **AS/PS** button (7) for 87.5MHz frequency and checks the signal strength until one cycle search is finished. And then 18 stations are stored into the corresponding preset number button. In the first cycle it will in LOCAL mode to receive the stronger station. If it is less than 18 pcs station it will searching stations in 2nd cycle in DX (distance) mode.

  - Program scanning

  Press **AS/PS** button (7) to scan preset station. The radio is holding at that preset number for several seconds with release mute, then searches again.

- **MANUALLY STORING STATION AND RECALL PRESET STATION**

To receive a station, Press one of the preset button(1~6) for 2 seconds. The current station is stored into the number button. press the preset button (1~6) to directly listen the station that saved in the corresponding preset button.

USB PLAY OPERATION

On the front panel of the unit, there is an USB interface (9). You can connect an USB driver through this interface (9). When you connect an USB driver through the interface, the unit will search the MP3 files or WMA files in the USB driver and start to play MP3 or WMA files automatically. If in other mode, you can also press **MODE** button (6) to select USB mode.

It supports the MP3/WMA file in the device. The operation please refer to the following instruction.

SELECTING SONGS IN SINGLE STEP

Press ⏭ button (3) or ⏮ button (1) to move to the following song or the previous song. Song number shows on display.

Press and hold ⏭ button (3) or ⏮ button (1) for 2 seconds to fast forward or fast reverse. Song playing starts from when you release the button.

SELECTING DIRECTORY UP/DOWN

Press **DIR**- button (14) or **DIR+** button (13) to select previous directory or next directory.

PAUSING PLAYING

Press **PAU** button (18) to pause playing. Press it again to resume playing.

PREVIEWING ALL FILES

Press **INT** button (17) to **INTRO** each file. Press again to stop intro and start to play.

OPERATION

REPEATING PLAYING

Press **RPT** button (16) to continuously repeat the same file. Press it again to repeat all files.

PLAYING IN RANDOM ORDER

press **RDM** button (15) to play all files in random order. Press it again to cancel the function.

SELECTING SONGS BY AS/PS BUTTON

Press **AS/PS** button (7) to active the file search mode. It will show “TRKSCH” for 1 second then show “ T-- -- --”. In this moment rotate VOL knob(2) to select the song number and press SEL(2) to confirm. The unit searches the track and plays. Also you can directly enter the song number and press SEL (2) to confirm. The number definition is below:

1 PAU: 1
2 INT : 2
3 RPT : 3
4 RDM: 4
5 DIR- : 5
6 DIR+ : 6
7/BAND: 7
8/⏮ : 8
9/⏭ : 9
0/DISP: 0

If enter the wrong number. You can press **AS/PS** button to delete the wrong number.

SD OPERATION

There is a SD interface (8) on the front panel of the unit.

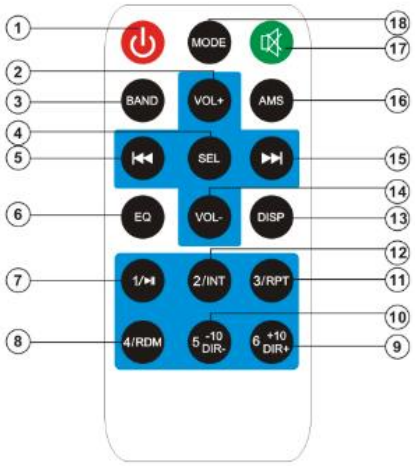
When you insert a SD card in the SD interface, the unit will search the MP3 files or WMA files in the card and start to play automatically. The operation is the same with the USB play operation described above.

If in other mode, you can also press **MODE** button (6) to select SD mode.

CAUTION：

When there are important files in the USB Device or SD card, do not connect it to the main unit to play, because any wrong operation may cause files loss. And our company assumes no responsibility for this.

REMOTE CONTROL (OPTIONAL)



FUNCTION KEY & CONTROL

1. ⏻ Power ON/OFF Button.
2. VOL+ Volume up button.
3. BAND Band Select Button.
4. SEL Sound Mode Select Button
5. ⏮ Radio mode: seek/turn down station.
   MP3 mode: skip to the previous file or fast reverse.
6. EQ Press it to select desired audio equalization.
7. 1/⏯ Radio mode: Preset number 1.
   MP3 mode: Pause/playing file.
8. 4/RDM Radio mode: Preset number 4
   MP3 mode: Turn on/off the random function.
9. 6/+10/DIR+: Radio mode: Preset number 6.
   MP3 mode: press for next directory.
   Long press for +10 songs function).
10. 5/-10/DIR-: Radio mode: Preset number 5.
    MP3 mode: press for previous directory.
    Long press for -10 songs function)
11. 3/RPT Radio mode: Preset number 3.
    MP3 mode: Repeat one/all.
12. 2/INT Radio mode: Preset number 2.
    MP3 mode: Turn on/off the INTRO function.
13. DISP Press DISP to show the time.
14. VOL- Volume down button.
15. ⏭ Radio mode: seek/turn up station.
    MP3 mode: skip to the next file or fast forward.
16. AMS Same as the AS/PS function. See page 10
    MP3 mode: File search function.
17. 🔇 Press to mute the sound. Press it again to recover the Sound.
18. MODE Press to change the source.

SPECIFICATIONS

GENERAL

PLMR18
Stereo Radio Headunit Receiver, Aux (3.5mm) MP3 Input, USB Flash & SD Card Readers, Remote Control (White)

Features:
In-Dash Console Headunit System
USB Flash & SD Memory Card Readers
MP3 Digital Audio File Compatibility
AM/FM Radio - 30 Station Memory Presets
Aux (3.5mm) Input Connector Jack
Ability to Connect Additional External Devices
(Smartphones, MP3 Players, Tablets)
Rear RCA (L/R) Output Connector Jacks
LCD Digital Display Panel
Bass, Treble, Balance, Fader Adjustment
EQ Audio Configuration
Random/Repeat Audio File Functions
Includes Wireless Remote Control

Technical Specs:
Single DIN Universal Standard Size
MPX/PLL Tuning Radio
Digital Audio File Compatibility: MP3, WMA
Maximum USB/SD Card Support Size: 32GB
Tone Controls: +/-10dB
Power Output: 4 x 50 Watt
Stereo Separation: >45dB
Current Drain: 10A (Max.)
Power: DC 12V

TROUBLE SHOOTING

Before going through the checklist, check wiring connection. If any of the problems persist after checklist has been made, consult your nearest service dealer.

Symptom	Cause	Solution
No power.	The car ignition switch is not on.	If the power supply is connected to the car accessory circuits, but the engine is not moving, switch the ignition key to “ACC”.
	The fuse is blown.	Replace the fuse.
No sound.	Volume is in minimum	Adjust volume to a desired level.
	Wiring is not properly connected.	Check wiring connection.
The operation keys do not work.	The built-in microcomputer is not operating properly due to noise.	Press the reset button.
The radio does not Work. The radio station automatic selection does not work.	The antenna cable is not connected.	Insert the antenna cable firmly.
	The signals are too weak.	Select a station manually.